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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/600,560	06/19/2003	Myungsun Kim	DE-1484	6060	
1109 75	590 11/13/2006		EXAMINER		
ANDERSON, KILL & OLICK, P.C.			NALVEN, ANDREW L		
1251 AVENUE OF THE AMERICAS NEW YORK., NY 10020-1182			ART UNIT	PAPER NUMBER	
			2134	2134	
			DATE MAIL ED. 11/12/2004	DATE MAILED. 11/12/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/600,560	KIM ET AL.				
Office Action Summary	Examiner	Art Unit				
	Andrew L. Nalven	2134				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be to will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONI	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).				
Status		·				
1) Responsive to communication(s) filed on 11 Au 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pr					
Disposition of Claims						
4) ☐ Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1.2,7 and 8 is/are rejected. 7) ☐ Claim(s) 3-6 and 9-12 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.					
_	_					
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 19 June 2003 is/are: a) Applicant may not request that any objection to the orange Replacement drawing sheet(s) including the correction of the orange and the correction of the correction of the orange and the correction of th	☑ accepted or b)☐ objected to drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ol	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) △ Acknowledgment is made of a claim for foreign a) △ All b) ☐ Some * c) ☐ None of: 1. △ Certified copies of the priority documents 2. ☐ Certified copies of the priority documents 3. ☐ Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applica rity documents have been receiv ı (PCT Rule 17.2(a)).	tion No ved in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:	Date				

DETAILED ACTION

1. Claims 1-12 are pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Gentry et al US PGPub 2003/0182554.
- 3. With regards to claims 1 and 7, Gentry teaches generating system parameters G1, G2, P and e and storing the system parameters in memory by a system administrator wherein G1 and G2 are cycle groups of order m, P is a generator on the cyclic group G1, e is bilinear map defined as e: G1 x G1 -> G2 (Gentry, paragraphs 0021-0022), generating a private key <a, b, c> and a public key v and storing the public key v in the memory of a prover or the system administrator wherein a, b, and c are randomly chosen in Zm where Zm is a multiplicative group of order m (Gentry, paragraphs 0021-0022), generating random numbers r1, r2, r3 of the group Zm for obtaining an evidence (x, Q) and sending the evidence to a verifier by the prover

Art Unit: 2134

(Gentry, paragraphs 0020-0022), receiving the evidence (x, Q), selecting a randomly w of the group Zm to obtain a query R, storing the evidence and the randomly selected number w in the memory and sending the query R to the prover by the verifier (Gentry, paragraphs 0022-0025), receiving the query R, computing a temporary value S to obtain a response Y and sending the response Y to the verifier by the prover (Gentry, paragraphs 0022-0025), and determining a legitimacy of the prover by employing the system parameters G1, G2, P and e, the public key v, the evidence (x, Q), and the randomly selected number w by the verifier (Gentry, paragraph 0024).

4. **With regards to claims 2 and 8**, Gentry teaches the public key v obtained by v = e(P, P)^abc (Gentry, paragraph 0021).

Allowable Subject Matter

5. Claims 3-6 and 9-12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

6. With regards to claims 3 and 9, the cited prior art fails to teach a first evidence value x=e(P, P)^r1 * r2 * r3 and a second evidence value Q=r1 * r2 * r3 * P. As a result, the cited prior art fails to anticipate or render obvious the above-cited claims.

Application/Control Number: 10/600,560

Art Unit: 2134

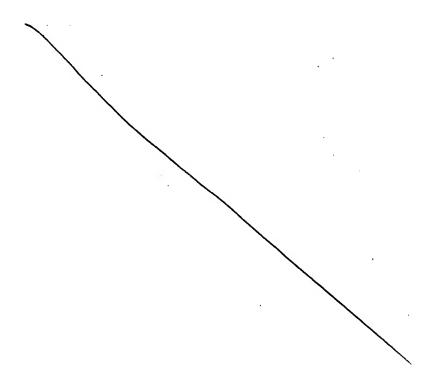
Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. Boneh et al US Patent No. 7,113,594 discloses a system for identity based encryption and related cryptographic techniques.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew L. Nalven whose telephone number is 571 272 3839. The examiner can normally be reached on Monday - Thursday 8-6, Alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571 272 3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



Art Unit: 2134

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Andrew Nalven

GILBERTO BARRON Jr.
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100